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CENTRAL INTELLIGENCE AGENCY

REPORT NO. [REDACTED]

INFORMATION REPORT

CD NO.

COUNTRY USSR (Sverdlovsk Oblast)

DATE DISTR. 5 June 1950

SUBJECT Sugres Power Plant near Sverdlovsk

NO. OF PAGES 2

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1. Location:

The Sugres Power Plant is located on the northern border of a town of the same name, some miles northwest of SVERDLOVSK (60° 27' E/56° 58' N), Sverdlovsk Oblast, on the eastern bank of a lake.

2. Plant Installations:

The total plant area covers about 1,800x1,200 feet. It can be seen from some distance. An annex to the machine house was completed by August 1949. The fitting of two new boilers, in addition to eight old ones, and two new turbines started in September 1949. A pit for the cooling plant, 75x25 feet and almost 30 feet deep, was excavated at the side of the new building. The required depth was reached by September 1949. Railroad connections were available. For location and plant layout see annex.

3. Work Force:

Three to four hundred Soviets working in three shifts and an additional 100 PWs doing construction work.

4. Capacity:

Source learned from fellow PWs with technical knowledge that the capacity of the eight old turbines was 30,000 KWs each. Most of these turbines were Siemens Schuckert make; he also learned from corresponding statements of trained co-prisoners that the two new turbines had a capacity of 35,000 KWs each. Since only six of the eight smokestacks were in operation at the same time, it can be assumed that the present standard capacity is 180,000 KWs and the maximum future capacity will be 310,000 KWs.

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Comment:

- a. The report concerns the large power plant of SREDNE URALSK, located 5 miles northwest of the SVARDLOVSK outskirts, and at the northeastern edge of the Issetsk Lake. The power plant is reported under the name of Sugres. Since source mentioned that JUGRES is also the name of the town, it is believed that the entire area was given this name by the population.
- b. The plant is the major power plant of the Central Ural area.
- c. Attached sketches are of special value as they contain new data on the plant layout and new information on the plant location which could not be determined so exactly before.
- d. The capacity, as indicated by source, corresponds with other records. The installation of additional boilers and turbines during the fall of 1949 is reported for the first time.

1 Annex: Sugres Power Plant Near SVARDLOVSKLegend to Annex

- 1 Machine house, 300x150x56 feet, equipped with eight
- 2 Boilers and eight turbines, and eight smokestacks at the eastern side of the building. Six of the smokestacks were in operation at one time.
- 2 Annex to the machine house, 120x60x18 feet. Two additional boilers and turbines were being installed
- 3 Excavations, presumably for the cooling plant, 75x24x30 feet
- 4 Coal conveyor system
- 5 Switching station, 45x30x45 feet
- 6 Open-air transformer station, 360x90 feet, with numerous overhead power lines leading to the east
- 7 Two workshops for plant requirements, each 35x25x20 feet
- 8 Two dwelling houses, cantonment buildings
- 9 Several sheds with construction requirements
- 10 Guard towers
- 11 Coal dump, 360x90x30 feet, equipped with rails for traveling crane and electrically powered conveyer installation with special pipes
- 12 Sawmill

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